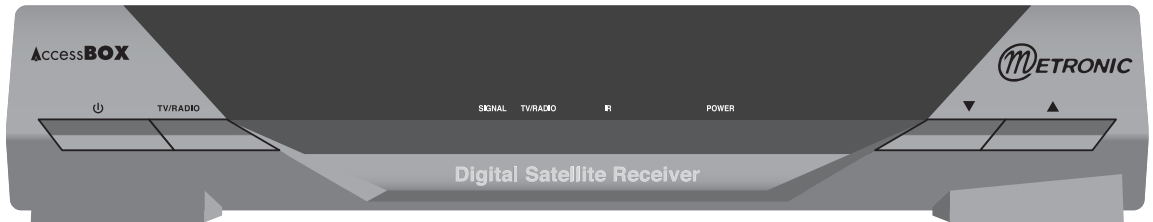


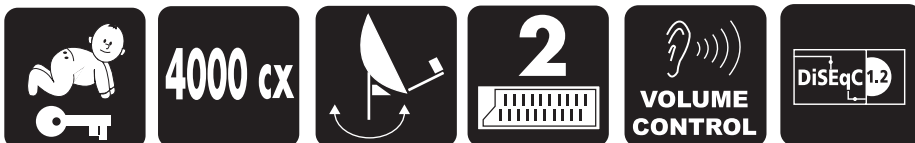
User guide



DIGITAL SATELLITE RECEIVER

AccessBOX

**4000 channels / Parental Control
2 Scarts / DiSEqC 1.2**



The METRONIC logo, featuring a stylized 'M' inside a circle, followed by the word "METRONIC" in a bold, sans-serif font.

CAUTION

Your AccessBox has ventilation slots. These slots must not be obstructed, even partially, in order to ensure proper ventilation. The lifetime and normal functioning of your device depends on these factors. **The device may not be exposed to dripping or splashing and no object filled with liquid, such as vases, must be put on the device.** Installation in premises which are confined or subject to temperature or dampness changes (sheds, attics, cellars, tiny rooms, dry risers etc.) may cause an overheating of the device or a premature ageing resulting in failures that are not covered by the guarantee.

Never open the Access box receiver even when it is not connected, because it contains electrical components, which can be dangerous for you. In general, electrical appliances are not earthed, so you can get electrical discharges (which are not risky), while implementing the connections. Our advice is to connect the equipment after all the sockets connections have been made.

To clean the receiver or his remote control, do not use any solvent or detergent. Use only a dry cloth for dust or slightly dampened with water for the front panel. Always carry out this operation after having disconnected the receiver from the mains.

For your own safety:

Never open the device. It contains no item that can be serviced by the user. If you open it, make some changes on circuits or connections of non-compliant equipment it will cancel the guarantee. If necessary, please return the receiver, for service, only to the point of sale.

In order to reduce the risks of fire, electrocution or damage caused to another equipment or someone, do not expose the device to dampness, bad weather, dust, sand, sun, cold or high temperature. You must use the device between 0°C to 40°C; 32°F to 104°F. Place your AccessBOX in a dry place, safe from dust. It is not designed for outdoor use.

The remote control needs two AA 1.5V batteries. Check the polarity before fitting them into the remote control. Do not throw your used battery in the bin, take them to your local store where special boxes are provided to recycle them.

The installation and the use of the receiver are based on pre-programmed channels. In the event of problem on a channel, get a specialised magazine to find out if this channel is still broadcasting in Free To Air. For information, the operators frequently change the channel's characteristics without notice.

Your receiver is compatible with DiSEqC 1.2, it could be used then with a DiSEqC 1.2 motor (or rotator). In case of a DiSEqC 1.2 motorised installation, our advice is to install the motor in an easily accessible location (avoid chimneys, for example). Motors may have to be screwed up or lubricated. An installation in a not very accessible place would be difficult for the maintenance. For your information, the DiSEqC standard is a trademark by Eutelsat.

If you only have one digital tuner, you will not be able to record a different satellite channel from the one you are watching.

Altering the settings of the receiver requires to go through the menus. For an easy reading of this User Guide we have shortened the operations as: MENU / menu / sub-menu. For example, when you read:

The first time you switch your AccessBOX on, your are prompted to enter the desired language for On Screen Display. Since English is the default value, just press OK. This language selection window is also shown after resetting the unit (factory settings)

- Go in **MAIN MENU / INSTALLATION / LNB & SWITCHES SETUP**,

You will have to:

- Press on MAIN MENU to go to the main menu.
- Press on ▼ key to highlight the **INSTALLATION** menu.
- Press on OK to select this menu.
- Press on ▼ key to highlight the sub-menu / **LNB & SWITCHES SETUP**.
- Press on OK to select.



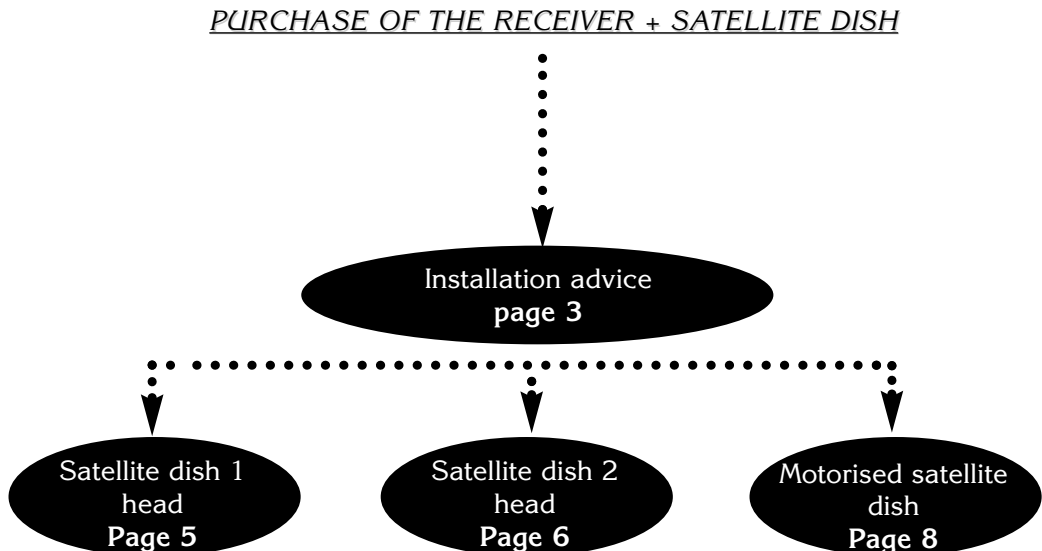
You will notice that the words in bold letters in this user manual are those which appear on the screen of your television.

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INSTALLATION SHORTCUT

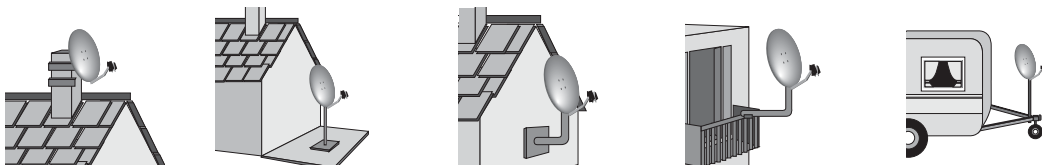
PURCHASE OF THE RECEIVER ALONE..... ➔ page 07
Your satellite dish is already aligned



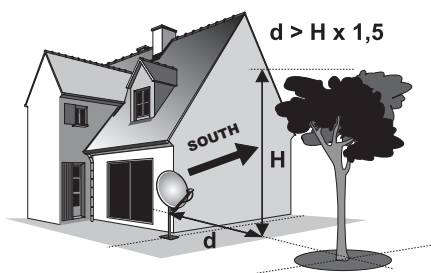
GENERAL INSTALLATION ADVICE

Choice of the location and satellite dish assembling

Whatever your choice of installation, your fixing must be stable and vertical.



- In the event of an obstacle, respect the rule of distances explained below.



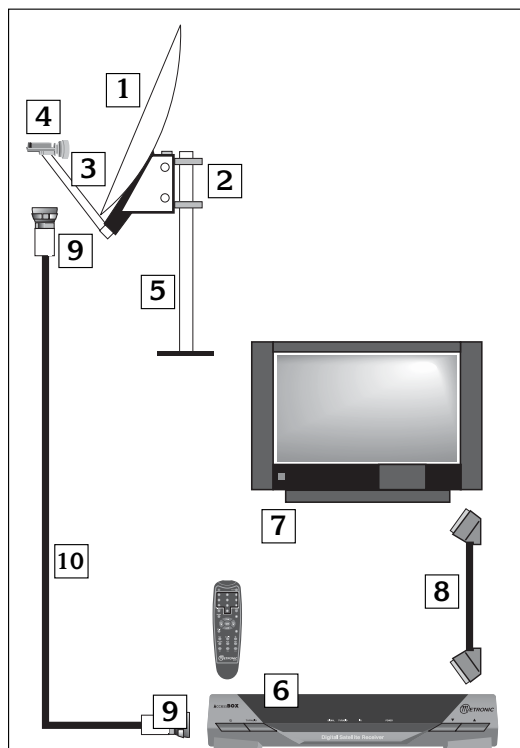
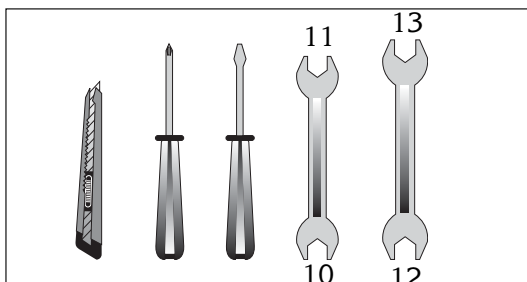
- For the satellite dish assembly, look at the assembly sheet provided with the satellite.



CAUTION: Please handle the satellite dish with caution because its fringes may be sharp.

Necessary parts and tools:

- 1 Satellite dish
- 2 Screws and fixing
- 3 Offset arm
- 4 Universal LNB
- 5 Pole or wall mounting brackets of Ø minimum recommended : 40 mm
- 6 Digital satellite receiver with remote control
- 7 TV
- 8 Scart lead
- 9 «F» plug
- 10 Special satellite cable, the standard TV cable is not appropriate.

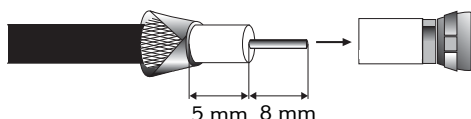


Assembly and insulation of the «F» plug

- The plug must be screwed on the strip iron aluminium. Take care that there is not a strand of the braid in contact with the central heart of the coaxial cable
- When your installation is finished, do not forget to protect the LNB with appropriate water-proof material. (see picture below).



LNB's badly insulated or not insulated at all are not covered by the guarantee.

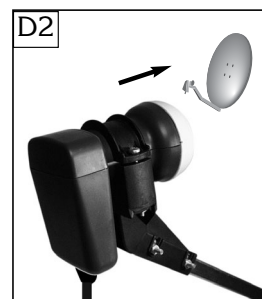
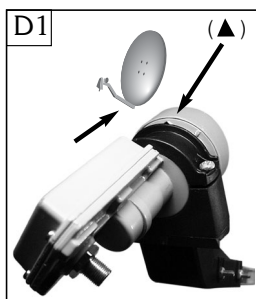


LNB's assembly

Your kit can contain various types of LNB

- LNB in metal grey (D1 schema): make sure to position the triangular mark (▲) properly upwards. It is normal that the body of the head is tilted on 45°, the cable leaves tilted to 45°.
- Other LNB's (graduations): must be positioned vertically. See D2 schema (the cable leaves vertically).

In both cases, never remove the protection cap of the horn.



Pre-programmed channels and satellites

Your receiver is delivered pre-programmed on the main satellites available in Europe. Some satellites require a one-meter satellite dish, you will not be able to receive them with a lower size satellite dish, even if this satellite appears in your pre-programmed channels list. You will use these channels to point your satellite dish towards the satellite you want. The Table 1 gives you the satellite dish necessary size, in the United Kingdom and the Republic of Ireland, for each satellite, as well as references channel that will be useful for you to align with a satellite.

n°	Name	Position	Ø mini	n° (*)	Name	TP (freq / SR / pol)
1	Atlantic Bird 3	5°W	60 cm	054	BR TV	12543 / 27500 / H
2	Télécom 2D	8°W	60 cm	064	GCPE1	11598 / 27500 / H
3	Astra 1	19,2°E	60 cm	289	TV 5	10788 / 22000 / V
4	Hot Bird	13°E	60 cm	076	ZDF	11054 / 27500 / H
5	Eutelsat W2	16°E	95 cm	413	La 7	11083 / 11312 / H
7	Tuksat 1C	42°E	80 cm	453	Kanal 7	11135 / 04444 / V
8	Astra 2	28,2°E	60 cm	001	BBC ONE	10773 / 22000 / H
9	Hispasat 1A	30°W	80 cm	472	TVE Int.	12711 / 27500 / V
10	Arabsat 2A3A	26°E	100 cm	419	Kuwait	11747 / 27500 / V
11	Sirius 2	5°E	80 cm	477	BSTV	12150 / 27500 / H

Table 1: references' Channel

(*) The channel numbers apply to the TV list at output of the factory. If you modify the organisation of the channels, these numbers are not valid any more.

Important notes:

- Table 1 does not mention the satellites which do not broadcast (or with a very low signal) on Digital Free to Air. The reference channels were validated at the time of the drafting of this user manual, we cannot guaranty they will still be there. In the event of problem at the time of searching for a satellite, get specialised magazine (like What satellite and Digital TV) to check that the reference channel is still a Free to Air channel. For the alignment, you must imperatively know which satellite you wish to receive. If you have any doubt, check the pre-programmed channels at the end of this user manual.

INSTALLATION OF A FIXED DISH ON A SATELLITE

Read the installations advices, and particularly the paragraph E (page 5).

A

Connections

The receiver must be disconnected from the mains, connect directly the LNB to the LNB input of the receiver. Connect the television to the receiver scart socket output. Switch on the television and connect the receiver to the mains. The green LED light is on, then the flickers with the red LED, then only the red LED remains on. Press the  button. If the television does not display a black screen with a message "**BAD OR NO SIGNAL**", check the scart leads connections and/or force the A/V or EXT mode of your television (see your TV user manual).

B

Alignment / satellite dish orientation

Find in Table 1 (page 5) channel number of the reference channel of the satellite that you wish to receive (example: 001 = BBC ONE for Astra 28°). Type on the remote control the channel number.

Press on the remote control INFO key to show the reception level at the bottom of the screen. This indicator shows normally 0%; the alignment will consist in directing the satellite dish toward the satellite, leading to a maximum level.

Put the satellite dish in a vertical position (the graduations on the back indicate 20-25°) and roughly direct it towards the south. Make a slow sweeping (about 20 seconds) of a quarter of a spin on the left then a quarter of a spin on the right while checking on the television. The indicator should not show anything at this stage.



Beware, it may be useful to search for the south with a compass. However, never use a compass to find the supposed location of a satellite. For instance, you may guess that Astra 28° is located 28° left from south. It's false! Just sweep the dish as explained, this method works better.

Incline the satellite dish of 2 degrees (a little less than 1 inch at the top of the dish) towards the top and then start again the sweeping.

Proceed by 2 degrees step until the indicator goes up and that the channel appears. Tighten all the screws definitively, except those which fixing the LNB in its holder. If the indicator increases, but no images appear on the screen, it means you are on another satellite, it is necessary to continue sweeping.

C

Adjustment of the polarisation

Rotate the LNB clockwise in its holder for a few degrees to further increase the level of signal. If the signal decreases, rotate it in the opposite way.

Once you obtain the best signal, tighten definitively all the screws. Your installation is finished. Press on EXIT to hide the information banner. You can now watch all the satellite channels from the satellite you just aligned your satellite dish on.

INSTALLATION OF A DUAL-HEAD SATELLITE DISH ASTRA 19.2 + HOT BIRD

Install the dual-head support in such a way that, when you look at the satellite dish, the shifted head is on the left.

Initially, proceed in the same way as for a mono-head satellite dish (see preceding page), by directly connecting the receiver to the central LNB with only one cable and by aligning your satellite dish on Hot Bird.

A

Installation with a Tone Burst or DiSEqC 1.0 switch

When you receive all the Hot Bird channels correctly (satellite n°4) with the central head, disconnect the cable of this head and connect it on the I/O port of the DiSEqC Tone Burst switch.

Prepare two cables of approximately 1,5 m and screw an "F" plug at each end.

Connect the main head to the switch LNB A input and the head shifted with the input LNB B. You will now register the switch in the receiver menus:

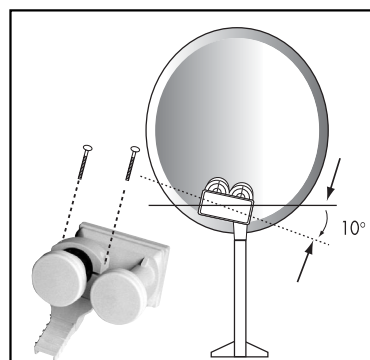
- Go in MAIN MENU / **INSTALLATION / LNB & SWITCHES SETUP**
- Go on Satellite name and press OK to show the satellites list. Select Hot Bird and validate by OK.
- Go on **DiSEqC 1.0,1.1** and press on ► until **A** is displayed.
- Press OK to memorise, **SUCCESSFULLY UPDATED** appears.
- Go on Satellite name and press OK to display the satellites list. Select **Astra1, 19.2°** and validate by OK.
- Go on **DiSEqC 1.0,1.1** and press ► until **B** is displayed press OK to memorise, **SUCCESSFULLY UPDATED** appears.
- Press EXIT to leave all the menus.

You can now watch all the pre-programmed Astra 19.2 and Hot Bird channels (see "daily use").

B

Installation with a DiSEqC 1.0 monobloc

- Go in MENU / **INSTALLATION / LNB & SWITCHES SETUP**
- Go **Satellite** then press OK to display the channels list. Select **HOT BIRD** then validate by OK.
- Go on **DiSEqC 1.0,1.1** and press ► until **A** is displayed.
- Press OK to memorise, **SUCCESSFULLY UPDATE** appears.
- Go on **satellite** then press OK to display the satellites list. Select **Astra1,19.2°** and validate by OK.
- Go on **DiSEqC 1.0,1.1** and press ► until **B** is displayed.
- Press OK to memorise, **SUCCESSFULLY UPDATE** appears.
- Press EXIT to leave all the menus.
- Do the alignment on HotBird as explained the preceding paragraph (fixed satellite dish on a satellite).
- Once you have received HotBird, you should automatically receive the Astra channels. Sometimes, it is necessary to adjust the alignment to optimise the reception of the two satellites.



You can now watch the pre-programmed Astra 19.2 and Hot Bird channels.



Caution: Some monoblocs have a reverse command. It can be then necessary to swap A and B in the DiSEqC line.

CONNECTION WITH A FIXED SATELLITE DISH ALREADY ALIGNED ON A SATELLITE

The receiver being disconnected from the mains, connect directly the LNB to the LNB receiver input. Connect a scart lead from the television to the receiver TV output scart socket. Switch on the television, connect the receiver on the power supply, the green LED switches on, then flickers with the red LED, then only the red LED remains lit. Press the Standby button. Check in the list of the pre programmed channels at the end of the user manual. You can select and watch the channel of this satellite.

CONNECTION ON A DUAL-HEAD SYSTEM ASTRA 19,2° + HOT BIRD ALREADY ALIGNED

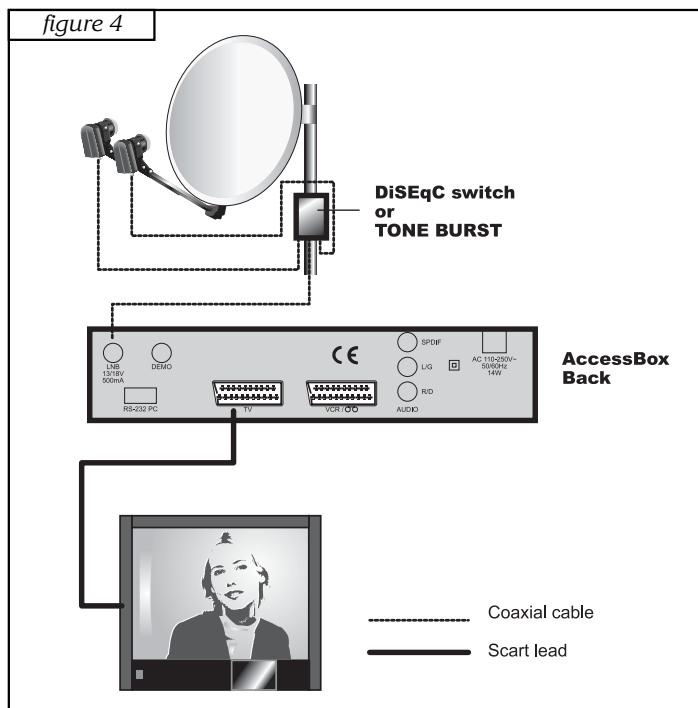
Connect the cables and the leads as indicated on the figure below (figure n°4). It is useful to know on which inputs of the switch the heads Astra and Hotbird are connected. If you do not know it and the installation is difficult to reach, test the 2 possible combinations:

Astra on A and HotBird on B or Astra on B and HotBird on A.

To program your receiver, go to page 7, installation of a Bi-head satellite dish Astra 19,2° + Hot Bird.



Caution: you should not alter the satellite dish adjustments or the switch, it is only necessary to program your digital receiver.



CONNECTION ON A MOTORISED DISEQC 1.2 UNIT ALREADY ALIGNED

Connect the cables and the leads as indicated on the figure below (figure #5).



When 2 satellite receivers control the same motor, it is important that each one of them give the same number to a given satellite. For an easiest installation of your new digital receiver, locate the classification of the satellites used by your analogue demodulator.

For each satellite you want to receive in digital, it is necessary to proceed as follows:

Example on HotBird

- Go on the reference channel (see figure n°1 page 5) satellite by typing the channel number then OK. Example: 022 for HotBird.
- Go in **MENU / INSTALLATION / LNB & SWITCHES SETUP**
- Check that the Satellite line displays the satellite in question (ex HotBird).
- Check that the line DiSEqC 1.2 displays **ENABLE**. If it is not the case, modify the display with the **►** key.
- On the line **MOTOR CONTROL**, choose the function **POSITION** with the keys **◀ ▶** and enter the HotBird number for your analogue demodulator.
- Press on OK and confirm on **YES** to memorise and wait until the motor stops spinning.
- If your motor were correctly aligned, and that you entered the right number for HotBird, the signal indicator must be green. If it is not the case, check your alignment with the analogue receiver.
- Press on EXIT to leave the menus and check that you receive the HotBird channels correctly.
- Do the same thing for the other satellites.

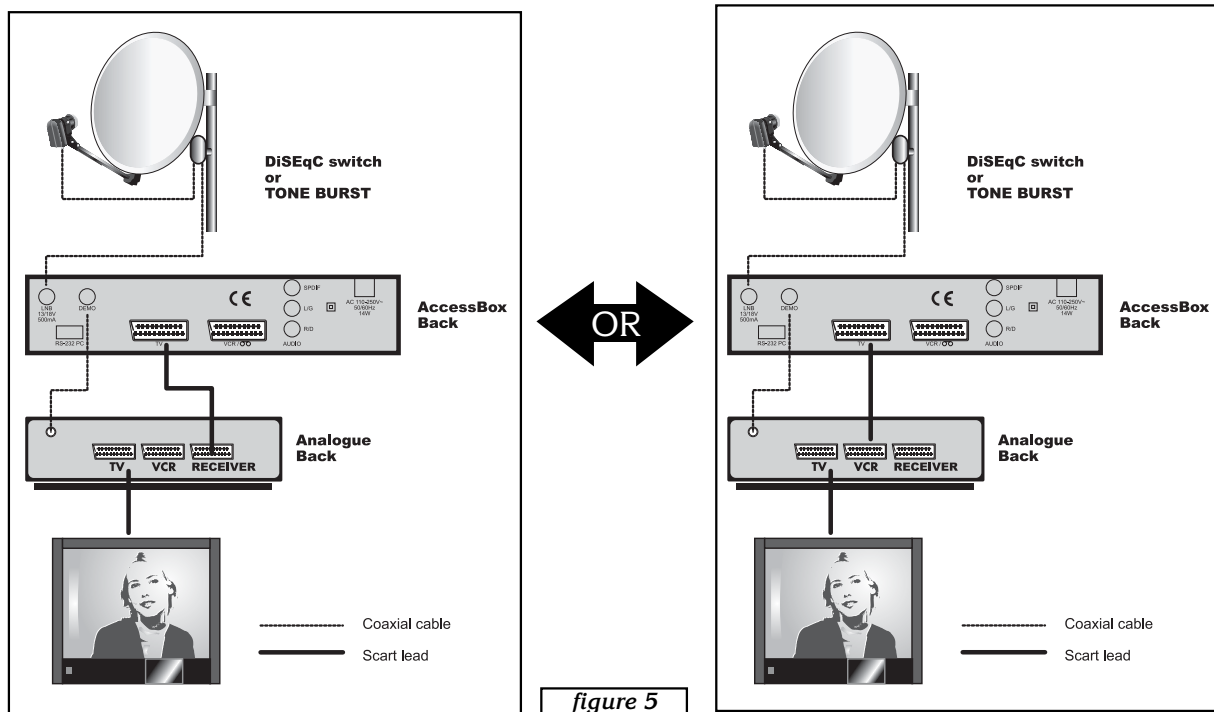
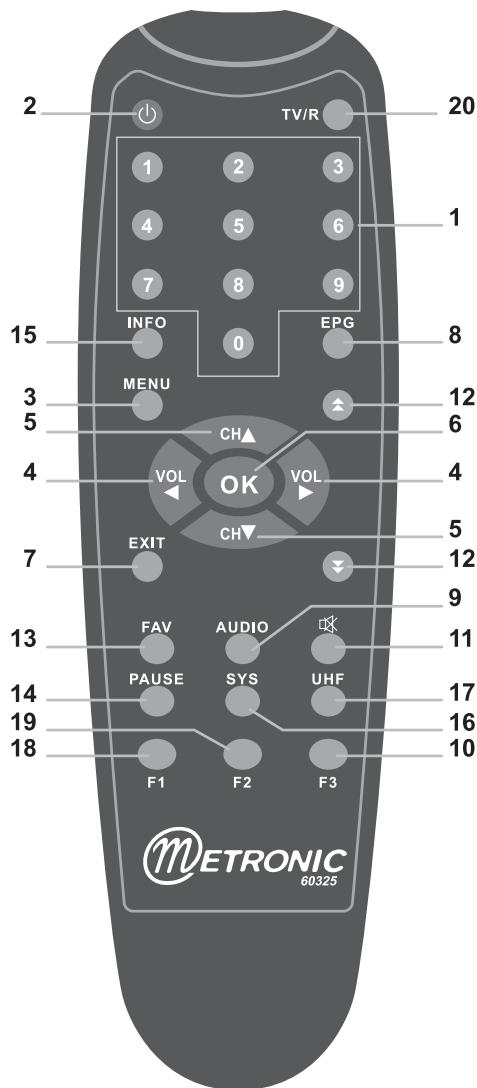


figure 5

If you don't have any analogue receiver, connect directly Access BOX to the TV.

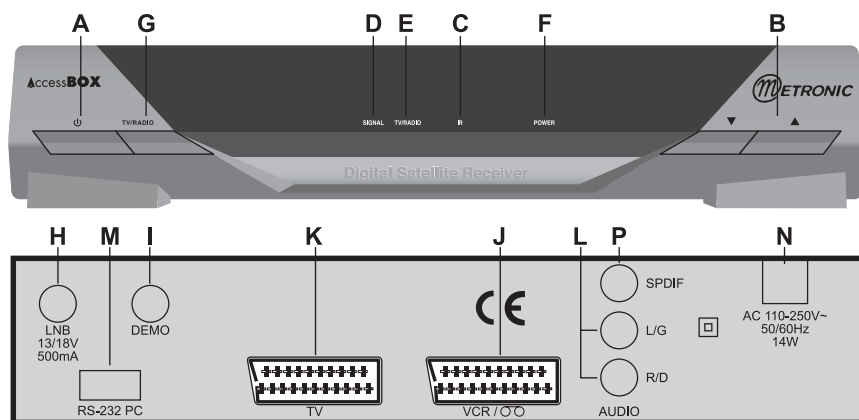
REMOTE CONTROL DESCRIPTION

- 1** Digital keys. In viewing mode, press these keys to change channel by pressing the number of the channel you want to watch. In the programming mode, these keys are used to enter the digital values.
- 2** Touch ON / OFF. Allows switching on or switching off and putting the terminal in standby
- 3** MENU Key. Press this key to enter in the main menu or to leave the main menu. Pressing MENU in a submenu allows to exit this submenu and come back in the previous menu.
- 4** ◀ VOL ▶ In viewing mode, press VOL key to adjust the volume. In programming mode, this key is used to alter the value of a setting.
- 5** ▼ CH▲ Keys. In viewing mode, press these keys to change channels. In the menus, press these keys to highlight the next or previous item
- 6** OK Key. In viewing mode, gives access to the channel list. In programming mode, press OK to access to the submenu related to the currently highlighted item.
- 7** EXIT Key. Press this key to exit all menus and come back in viewing mode.
- 8** EPG Key (Electronic Program Guide). If broadcast by the operator, shows information about the current programme and the following programme *.
- 9** Audio Key. If more than one audio language is being broadcast, this key allows you to show all the available languages*
- 10** Unused key on the **AccessBox** model.
- 11** MUTE Key. A first press mutes the receiver. A second press returns in normal mode.
- 12** PAGE Key. Allow you to switch from one page to another in the long lists.
- 13** FAV Key. To access your favourite channels.
- 14** PAUSE Key. Allow you to freeze the picture. Another press allows you to come back in viewing mode.
- 15** INFO Key, display information about the channel you're currently watching.
- 16** SYS Key, to go directly in the adjustment menu.
- 17** UHF Key, to go directly to the switch adjustment menu (option for the AccessBox model)
- 18** F1 Key to access to the teletext when it is transmitted by the operator.
- 19** F2 Key to display the subtitles teletext. Only available when broadcast by the operator.
- 20** TV/RADIO Key to switch between TV mode and RADIO mode.



* Inactive functions on pre-programmed channels. An automatic scan (channel search) is necessary to use this service.

RECEIVER DESCRIPTION



- A** ON / OFF Key
- B** ▲CH▼ Key allow you to change channels upwards and downwards.
- C** Infrared receiver (detects the remote control infra-red signal).
- D** Signal Indicator. Switched on if the reception is good.
- E** Radio mode Indicator (switched off if you watch the television)
- F** Standby Indicator. Red when the receiver is standby. Switched off if the receiver works.
- G** TV/Radio Key. Equivalent to the remote control one.
- H** LNB entry to connect the input lead of the satellite.
- I** LNB output to connect another satellite receiver if necessary.
- J** Input / output VCR scart. When you play a cassette, the VCR take over automatically on the receiver.
- K** TV scart socket. To connect the receiver to the television.
- L** Left and right Audio outlets to enjoy digital sound with your Hi-Fi gear.
- M** RS232 connector for service only.
- N** Mains lead
- P** Unused on AccessBox model.

DAY TO DAY OPERATION

Unless you want to alter the settings, you will use only the following keys whose function is described in the preceding paragraph:

- Keys ◀ ▶ to adjust the sound volume.
- Keys ▲ ▼ to change channels
- ✕ Key to switch off and switch on the sound.
- Digital Keys to go directly to a channel
- EPG Key to display current and following programme information.
- INFO Key to show programme information in another appearance.
- OK to display the channel list.

ACCESS TO A CHANNEL

In viewing mode, ▲ ▼ keys allow me to change some channels among the list of the pre-programmed channels. You can also reach directly a channel by entering its number. Pressing on the OK key makes the TV channel list appear, highlight then the channel you want to watch with the Up and Down arrow or Page Up / Page Down keys, and press OK to view the channel.

ADDING CHANNELS

You can either add a particular channel if you know its parameters (frequency, polarity, SR), or you add a new unknown channel (update).

A

Add channels from a transponder

A channel is transmitted by what we call a transponder. It is a relay satellite of which should know the 4 following parameters:

- Its frequency (e.g. 12551 MHz).
- Its debit of symbol SR (e.g. 22000)
- Its polarity (e.g. Vertical)
- The satellite from which it is transmitted (e.g. Astra 28.2).

You will find these parameters in specialised magazines, which provide a monthly update, or on dedicated websites (www.satcodx.com, www.lyngsat.com,...) To add channels from a transponder, do the following steps:

- Go into MENU / **INSTALLATION** / **CHANNEL SEARCH**.
- On the line **SATELLITE** press OK to display the satellites list.
- With the ▲CH▼ keys, select the satellite, which emits the channel, to be added then press OK.
- On the line **SEARCH MODE**, leave **MANUAL**.
- On the line **FREQUENCY**, type the 5 figures of the transponder frequency.
- On the line **SYMBOL RATE**, type the 5 digits of the symbol rate (SR);
- Check that the level is green, which means that you entered the correct parameters.
- On the line **NETWORK SEARCH**, if you choose **ON** the search may continue on other frequencies if the operator broadcasts parameters of linked transponders. Let this field **OFF**.
- On the line **FTA / SCRAMBLED**, choose **FTA** to save space, by not putting in memory scrambled channels that you can't watch.
- Press OK to launch the channel search. The window **CHANNEL SEARCH** lists the TV and radios found.

The new channels will be added to the end of the channel list.

B

Automatic channel search

- Go into, in MENU / **INSTALLATION** / **CHANNEL SEARCH**
- On the line **SATELLITE**, press OK to display the satellites list.
- With the ▲CH▼ keys, select the satellite, which emits the channel to be added, then press on OK.
- On the line **SEARCH MODE**, choose **AUTO**.
- On the line **FTA / SCRAMBLED**, choose **FTA**
- Press **OK** to launch the channel search. The window **CHANNEL SEARCH** appears and lists the TV and radios found.



Note: in the AUTO search mode, the receiver will search channels from each transponder it has in memory for the concerned satellite. If a channel is not found, and you are sure that it exists, it may be because you need to update the transponders list. (see next paragraph)

C

Add / Delete / Edit a transponder

- Go into MENU / **INSTALLATION** / **SAT/TRANSPONDER EDIT**
- In the lefthand column, select the satellite with the ▲CH▼ keys.
- Press ► to go to the righthand column and select the transponder to be edited or deleted.
- Press OK to show the action-selection window.
- To delete the transponder, choose **DELETE TP**, press **OK** and confirm **YES**. The entire transponder channel will be erased.
- To modify the transponder, choose **EDIT TP** and press **OK** to reach the edition window. Enter the new values and press **OK**.
- To add a new transponder, choose **ADD NEW TP** and press **OK** to reach the edition window. Enter the values and press **OK**.

Particular channel shearch (PID)

In some cases (rare) a manual or automatic search doesn't find a channel that actually exists however. You should then add it with its "PID" which you will find in the specialised magazines or websites.

- Go into, in MENU / **INSTALLATION / CHANNEL SEARCH**
- On the line **SATELLITE**, press OK to display the satellites list.
- With the **▲CH▼** keys, select the satellite, which emits the channel to be added, then press OK.
- On the line **SEARCH MODE**, select **ADVANCED**.
- On the line **FREQUENCY**, type the 5 digits of the transponder frequency.
- On the line **SYMBOL RATE**, type the 5 digits of the symbol rate (SR).
- On the line PID and press OK to reach the **ENTER PID's** window.
- Enter the 3 PID' S requested. For information, **PCR PID** is often equal to the **VIDEO PID** for a television, and equal to the **PID AUDIO** for a radio. A radio is characterised by a null **VIDEO PID**.
- Select **SAVE** and press OK. Press EXIT to leave all the menus, the new channel is called TV xxx or Radio xxx. You will be able to rename it in the menu **ORGANIZATION**.

Scanner

The scanner is a powerful function which enables you to find channels, even if you do not know their technical parameters. This function can be particularly useful if you have a LNB of which you do not know the characteristics, or if you live in a dwelling house, where the satellite signal is distributed at unknown frequencies.

- Go into MENU / **INSTALLATION / AUTOMATIC TUNING**
- Select the line **SATELLITE**, press OK to display the satellites list.
- With the **▲CH▼** keys, select the satellite, which emits the channel to be added, then press OK.
- If you wish to make a particular search in frequencies ranges, enter the limits of the range on the lines **START FREQUENCY** and **END FREQUENCY**. If you don't know which frequency band you want to scan, just let the pre-defined values
- On the line **POLARISATION**, leave **VER + HOR**.
- Unless otherwise specified, the search is carried out on the standard SR's 27500 and 22000. You can modify them and/or add a third one.
- Go to **FTA / SCRAMBLED** and press OK. The receiver will initially search the emission frequencies then the channel on each one of these frequencies.

MODIFYING / ORGANIZING CHANNELS

For the TV list or the radios list, you can move a channel, remove it, rename it, mask it or block it. A masked channel is not accessible with the **▲CH▼** keys. A blocked channel requires a PIN code to be watched. You can also sort the channel list according to some criteria. To customise the television channel list, go into MENU / **ORGANIZING SERVICES / TV CHANNEL**. With the **◀ ▶** keys, select the desired function:

- **DELETE** to erase one or more channels. With **▼CH▲** keys, highlight the channel to be erased and press OK. Its number becomes yellow. You may select other channels in the same way. Once your selection is over, press on MENU to remove all the selected channels.
- **MOVE** to move a channel. Highlight the channel to be moved and press OK. Enter the new location and confirm by OK. Be careful, moving a channel is impossible if any sorting is enabled (see further).
- **RENAME** to modify a channel name. With the **▲CH▼** keys, highlight the channel to be renamed and press OK. The virtual keyboard appears, select letter by letter the new name (DEL to erase). Highlight **SAVE** and press to save and exit.
- **LOCK** to lock a channel. Highlight the channel to be locked and press OK. A small lock appears after the name. You can select/block other channels in the same way. Once your selection is over, press MENU to block the entire list of selected channels.
- **SKIP** to skip one or more channels. Highlight the channel to be skipped and press OK. A double arrow is displayed after the name. You can select other channels in the same way. Once your selection finished, press MENU to skip all the channels selected. Skipped channels are no longer accessible with the CH Up/Down keys, but only through the channel list (key OK).
- **SORT** to activate a channel sort. You can select various criteria by ticking off the corresponding item. Most practical A-Z + **SATELLITE** (alphabetical sorting by satellite) and **SAT WITH FREQ.** (sort by frequency and satellite). Press on MENU to launch the sorting process. To come back to the original arrangement, make sure that none of items are ticked off and press MENU.

SYSTEM SETUP

A

Choice of language

To choose the language of the menus, press **MENU** and then 3 times on the **▼CH** key, then twice on **OK**. Choose with the **▲CH▼** keys the language you wish then press **OK**.

When several languages for the same channel are being broadcast by an operator (e.g. Euronews on HotBird), you can choose the language you wish by pressing on the **AUDIO** key. Make your choice with the **▲CH▼** keys then validate by **OK**.



This function does not work on pre-programmed channels. To activate this option, the channel should be searched manually.

B

Audio / Video settings

In **MENU / SYSTEM SETUP / A/V OUTPUT**, you can alter settings related to picture and sound.

- On the **VIDEO OUTPUT** field, we advise you to leave **Auto**. However, you can force a particular mode in the event of viewing problem with your television.
- On the **AUDIO MODE** field, we advise you to leave **STEREO**. On some very rare channels, which broadcasts a different language on each side (mode called Dual Mono), it is necessary to set **LEFT AUDIO** or **RIGHT AUDIO** to get the appropriate language.
- The line **TV ASPECT RATIO** allows you to manage various modes 16:9 and 4:3. Note : if you have a 16:9 TV set, and you select 16:9 settings, you may receive 16:9 channels stretched vertically. You will then have a real 16:9 picture only if you TV set is able to perform an horizontal zoom.

C

Time setting

Into **MENU / SYSTEM SETUP / TIME SETTING**, you may adjust the time settings. GMT time is broadcast by the operator. So, on the line **MODE**, we advise you to leave on **AUTO**.

The default GMT **TIME OFFSET** is null, what suits the UK in wintertime. In summertime, you have to set a +01:00 time offset to ensure your receiver remains on due time.

D

Programming of recordings

You can make the receiver start and stop at a predefined time, for example, to defer a recording with you VCR..

In the main menu, the **EVENT TIMER** menu allows you to define up to 8 different events.

- **EVENT N°** allows to choose which one of the 8 events you want to setup.
- **MODE** allows to choose the periodicity : once, daily, weekly or monthly..
- **DATE** allows you to enter the date of the event
- **START TIME** and **DURATION** must be input with the digital keys in a HH:MM format.
- On the **CHANNEL NO** field, input the number of the concerned channel
- To activate the programming, put **YES** on **ACTIVATED** then press **OK**.
- **SUCCESSFULLY UPDATED** is prompted to confirm your settings are stored.

E

Parental control

To select the channels you want to lock, please refer to the paragraph 7. To really enable the locking, it is necessary to activate the access control:

- Go into **MENU / SYSTEM SETUP / PARENTAL CONTROL**
- On **ACCESS CONTROL**, press **►** to display **ON** then press **MENU** to save this new setting.
- You will have now to enter a code (PIN) to watch the blocked channels and to enter in the "important" menus for security reasons.

For the efficiency of your protection, you should change the PIN code:

- Go into **MENU / SYSTEM SETUP / PARENTAL CONTROL**
- Press on the **▼** key to select **CHANGE PIN CODE**, then validate by **OK**.
- Enter the old code (0000 at output of the factory), the new code and confirm by entering the new code once again.

RESETTING THE RECEIVER

This operation resets the memory, including all settings, as well as the channel list.



Beware, all the modifications you carried out will be lost.

To reset the receiver, do the followings:

- Go into **MENU / INSTALLATION / FACTORY DEFAULT**
- Press OK, confirm with **YES** and wait for a few seconds. The receiver will reset and ask for the desired language.

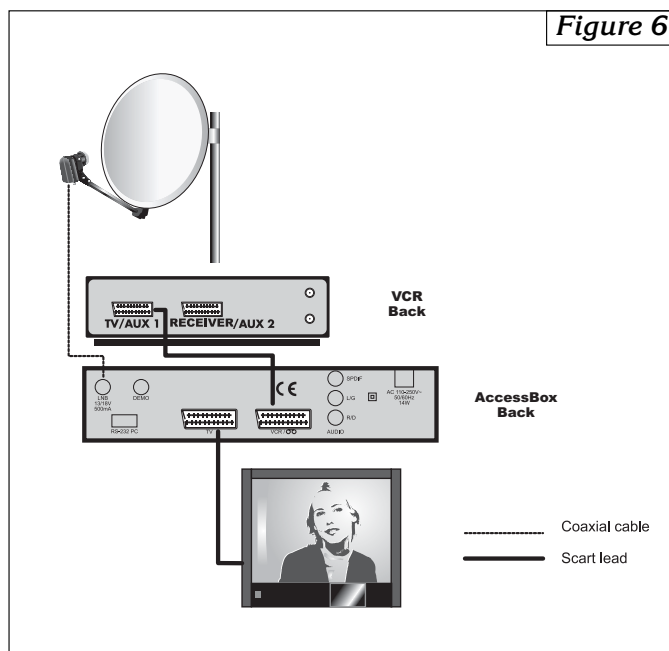
RADIO

If you wish to listen to the radios broadcast by the satellite, just press on TV/R key to swap from the TV list to the Radio list. You can then change channel just as with TV's. You may remove, move etc the radios in the same way as for the TV channel.

USE WITH A VCR

Simply connect your video cassette recorder on the VCR scart socket. To record the digital, it is necessary that the receiver is switched on the channel you want to record. Remember that you can automatically switch the receiver ON with the Timer feature. Put the VCR on the channel dedicated to its scart input (0, AV, EXT....) and launch the recording. If you encounter a problem to do so, check the user guide of the video cassette recorder for exact operating.

To play a tape, just press the PLAY key of your VCR, it will automatically take the hand over the satellite receiver. If not, try and press on TV/VCR key of your VCR remote control.



- *The screen displays " BAD OR NO SIGNAL".*

Two causes :

1. The channel you wish to watch has disappeared from the transponder. Get a specialised magazine to know if the parameters of these channels have changed or if it has disappeared.
2. The motor is moving, wait until it has reached its final position.

- *On one or more channels, the screen is black.*

The channel you want to watch is probably scrambled. For your information, an operator can broadcast a scrambled channel with information that lets believe the receiver that the channel is free. The opposite situation is also possible.



Beware: A channel can be free for a certain period in the day, and pay-TV in other periods.

- *The terminal asks me a PIN code to watch a channel.*

Enter 0000 if you did not input any PIN code. If you input a PIN code, but you forgot it, contact the hotline.

QUALITY FORM

Digital receiver AccessBox

Your Name: Address:

Postal Code: City:

Region: Tel.:

Date of purchase:
Place of purchase:
Store's name:

• **Product bought:**

- ☐ Fixed Digital Receiver
☐ Motorised digital Kit
☐ Digital Receiver Alone

• **Reason of purchase:**

- ☐ Access to digital quality
☐ More channel choice
☐ Foreign channels

Do you already have an installation?
If yes which one

.....

• **How did you hear about METRONIC?**

- ☐ Friends / Family
☐ Advertising / catalogues
☐ In store
☐ I already have a METRONIC receiver

• **Did you already use the METRONIC help line?**

☐
yes

☐
no

If yes, what do you think about it?

.....
.....
.....

In the event of a complete kit purchase:

• **Did you install it yourself?**

☐
yes

☐
no

• **Did you go through a fitter?**

☐
yes

☐
no

For which amount?.....

• **Which difficulties did you encounter at the time of the installation?**

1 Assembly of the plug on the cable ☐ Easy ☐ Difficult

2 Satellite dish assembly ☐ Easy ☐ Difficult

3 Heads (LNBS) assembly ☐ Easy ☐ Difficult

4 Motor assembly ☐ Easy ☐ Difficult
(in the event of motorised kit)

6 Alignment ☐ Easy ☐ Difficult



• Did you isolate the LNBs (heads)?

☐
yes

☐
no

- ☐ METRONIC insulating material
- ☐ Other METRONIC waterlocks
- ☐ Silicone
- ☐ Adhesive tape
- ☐ Other.....

• Do you think this user manual is clear enough to install a dish by yourself, without asking an installer?

☐
yes

☐
no

Which modifications would you wish to see brought to this manual?

.....

.....

.....

• Where did you install your satellite kit?

- ☐ On a balcony
- ☐ On the roof (chimney...)
- ☐ On the wall
- ☐ On the ground
- ☐ Other.....

• Which cable lenght did you use?

- ☐ 5 m
- ☐ 10 m
- ☐ 15 m
- ☐ 20 m
- ☐ 30 m
- ☐ 40 m
- ☐ plus

• Other remarks or suggestions:

.....

.....

.....

• Are you satisfied with your purchase?

yes ☐

no ☐

ASSISTANCE AND ADVICE

You will find in the following pages, the channel parameters which we programmed in the receiver. This programming was established according to information's, which are at our disposal to date, and according to programs which are broadcast to date. The operators responsible for the television broadcasts by satellites sometimes change without notice the frequencies and the transponders, we cannot unfortunately guarantee you the exactitude of these programming in time, please accept our apologies on this matter. You will be able to update these parameters if you follow the instructions on page 15. In spite of the care that we brought to the design of our products and the realization of this user manual, you may have encountered problems. Please do not hesitate to contact us, our specialists are at your disposal to advise you free of charge:



Monday to Friday from 9am to 12 and from 2pm to 6pm on (0208 994 1181)

Before calling make sure you have the followings:

- Demodulator Model: **AccessBox**
- Satellite received:

In a constant preoccupation to improve our products, could you please send us back the quality questionnaire (postage refunded on request). If you send us back the questionnaire, it gives you 3 months of additional guarantee (parts only).

CERTIFICATE OF GUARANTEE

The AccessBox receiver is guaranteed one year parts and labour. In the event of a breakdown, the transport charges outward are the customer responsibility, the costs carriage back is our responsibility.

To be valid, the certificate of guarantee must be dully filled and send back with the invoice photocopy or the sales slip.

Hardware ref.: AccessBox

Date of purchase:

IT4E - 30, Heathfield Court - London W4 4LR
Fax : 0208 995 6269 • Email : hotline@it4e.biz



CHANNEL GUIDE

No.	Name	Freq	Pol	SR	No.	Name	Freq	Pol	SR
Astra 28.2°					68	TizSat	11568	H	06510
1	BBC ONE	10773	H	22000		<u>Hot Bird</u>			
2	BBC TWO	10773	H	22000	69	TV POLONIA	10719	V	27500
3	BBC NEWS 24	10773	H	22000	70	EWTN	10723	H	29900
4	ETV	10773	H	22000	71	MTA INTL	10723	H	29900
5	BBC TES 3	10773	H	22000	72	TRT INT	10957	H	04340
6	CBBC Channel	10773	H	22000	73	VOX CH	11054	H	27500
7	CBeebies	10773	H	22000	74	RTL2 AUSTRIA	11054	H	27500
8	BBC ONE NI	10773	H	22000	75	NBC	11054	H	27500
9	TLM(Browser)	10862	H	22000	76	ZDF	11054	H	27500
10	TLMV	10862	H	22000	77	RTL Television	11054	H	27500
11	Sky Winzone	10862	H	22000	78	ARTE GERMAN 1	11060	V	06510
12	Screenshop	11954	H	27500	79	ARTE FRENCH 1	11060	V	06510
13	Screenshop 2	11954	H	27500	80	Kurdsat	11096	H	27500
14	TV Travelshop 2	11954	H	27500	81	CNL New Life Channe	11096	H	27500
15	TV Travelshop	11954	H	27500	82	Sailing Channel	11096	H	27500
16	TV Travelshop 2~	11954	H	27500	83	TV ROMANIA	11623	V	27500
17	TV Travelshop~	11954	H	27500	84	102.5 HIT Ch	11623	V	27500
18	TVTS Mosaic	11954	H	27500	85	TLC SAT	11623	V	27500
19	TVTS Quad	11954	H	27500	86	PRO SAT	11623	V	27500
20	Ideal World	12032	H	27500	87	ULTRA BLUE TV	11623	V	27500
21	ITV News	12032	H	27500	88	Channel SUN	11623	V	27500
22	B4U Music	12032	H	27500	89	Bloomberg European	11642	H	27500
23	QVC	12032	H	27500	90	Bloomberg German TV	11642	H	27500
24	bid-up.tv	12032	H	27500	91	Bloomberg English T	11642	H	27500
25	TCM	12051	V	27500	92	Tel Sell Homeshoppi	11642	H	27500
26	CNN	12051	V	27500	93	Miracle TV	11642	H	27500
27	Travel Deals	12051	V	27500	94	TV_078	11642	H	27500
28	Travel Ch 2	12051	V	27500	95	EDTV 1	11746	H	27500
29	BBC PARL/MNT	12129	V	27500	96	EDTV SPORT	11746	H	27500
30	S4C~ Digidol	12129	V	27500	97	EDTV BUSINESS	11746	H	27500
31	You TV	12129	V	27500	98	EDTV DRAMA	11746	H	27500
32	Vitality	12129	V	27500	99	TVE INTERNACIONAL	11785	H	27500
33	Create & Craft	12129	V	27500	100	CANAL 24 HORAS	11785	H	27500
34	Simply Home	12129	V	27500	101	TVE INTER. ASIA	11785	H	27500
35	Simply Einstein	12129	V	27500	102	RAINews24	11804	V	27500
36	S. Nostalgia	12129	V	27500	103	CAMERA DEPUTATI	11804	V	27500
37	Sky News	12207	V	27500	104	TELEPACE	11804	V	27500
38	TV SHOP	12344	H	27500	105	RAISPORTSAT	11804	V	27500
39	Reality TV	12344	H	27500	106	RAINettunoSAT2	11804	V	27500
40	TV High Street	12344	H	27500	107	Rai Edu Lab 2	11804	V	27500
41	Shopping Genie	12344	H	27500	108	RAINettunoSAT1	11804	V	27500
42	TVWarehouse..	12344	H	27500	109	SAT2000	11804	V	27500
43	Shop America	12344	H	27500	110	Stream1	11843	V	27500
44	TV Warehouse	12344	H	27500	111	stream news	11881	V	27500
45	Shop 24/7	12344	H	27500	112	snai	11881	V	27500
46	JML Direct	12344	H	27500	113	Italia 1	11919	V	27500
47	YES	12344	H	27500	114	Canale 5	11919	V	27500
48	Shop Smart	12344	H	27500	115	Retequattro	11919	V	27500
49	Community	12382	H	27500	116	DAN Tamil Ozhi	11938	H	27500
50	RUV	10729	V	22000	117	DAN Ceylon TV	11938	H	27500
51	NLC	10729	V	22000	118	VARIETY EUROPE	12015	H	27500
52	Going Places	10921	H	22000	119	IQRAA	12015	H	27500
53	5018	10921	H	22000	120	MA3	12015	H	27500
<u>Atlantic Bird 3</u>					121	VETRINA	12034	V	27500
54	BRTV	12543	H	27500	122	Telesierra	12092	H	27500
55	AL Arabiya Europe f	11604	H	06111	123	Italiasat	12092	H	27500
56	MBC/ANA	11604	H	06111	124	C. Milagro	12092	H	27500
57	TCT	12674	H	03710	125	ASB	12092	H	27500
58	Daystar TV	12674	H	03710	126	TV7 Tunis	12149	V	27500
59	IPN	12711	H	30000	127	Khaber TV	12149	V	27500
60	OCC- 1	12711	H	30000	128	GAY.TV	12149	V	27500
61	PNN	12711	H	30000	129	DunaTV	12149	V	27500
62	Outlook	12711	H	30000	130	ISLAH TV	12149	V	27500
63	AssyriaSat	12711	H	30000	131	TV Pika	12149	V	27500
<u>Télécom 2D</u>					132	TizianaSat	12149	V	27500
64	GCPE1	11598	H	27500	133	BALKANIA TV	12188	V	27500
65	EURONEWS	11648	H	04440	134	EXTRA	12188	V	27500
66	TV Montenegro	11652	H	04556	135	TRIAL	12188	V	27500
67	Elp_CH1	11568	H	06510	136	MKTV	12188	V	27500

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No.	Name	Freq	Pol	SR	No.	Name	Freq	Pol	SR
137	OTE PROMO	12188	V	27500	196	ONYX	12692	H	27500
138	RTS SAT	12188	V	27500	197	MEDYA TV	12692	H	27500
139	TV MAGIC	12188	V	27500	198	ABsat PROMO	12692	H	27500
140	ERT SAT	12188	V	27500	199	TVN	11408	V	27500
141	06 TV	12188	V	27500	200	TVN Siedem	11408	V	27500
142	HIGH TV	12188	V	27500	201	MANGO 24	11408	V	27500
143	FASHION	12245	H	27500	202	PILOT TV	11408	V	27500
144	SEXY SAT	12245	H	27500	203	TVN METEO TEST	11408	V	27500
145	AJARA TV	12245	H	27500	204	TV 5 - FBS	11137	H	27500
146	SYRIAN TV	12380	V	27500	205	TV 5 Europe	11137	H	27500
147	SAT 7	12380	V	27500	206	KHALIFA NEWS	11137	H	27500
148	Abu Dhabi TV	12380	V	27500	207	FreeX TV	11137	H	27500
149	RTV MONTENEGRO	12380	V	27500	208	KTV	11137	H	27500
150	ASB	12380	V	27500	209	TBNE	11137	H	27500
151	Jordan TV	12380	V	27500	210	Videolina	11137	H	27500
152	SFi	12399	H	27500	211	Telegenova	11137	H	27500
153	SRG SSR SAT Access	12399	H	27500	212	TV POLONIA	11513	H	27500
154	IRIB1 PER	12437	H	27500	213	Tele5	11513	H	27500
155	IRIB2 PER	12437	H	27500	214	Polonia 1	11513	H	27500
156	IRIB2 ENG	12437	H	27500	215	CCTV	12169	H	27500
157	SAHAR1	12437	H	27500	216	Promo	12169	H	27500
158	SAHAR2	12437	H	27500	217	Äiöë_	12169	H	27500
159	AL-ALAM	12437	H	27500	218	MEDIOLANUM	12540	H	27500
160	IRINN	12437	H	27500	219	Nile TV Internation	12540	H	27500
161	AsianetUK.com	12437	H	27500	220	Nile News	12540	H	27500
162	EbS	12476	H	27500	221	Bulgaria TV	12540	H	27500
163	LibertyTV.com	12476	H	27500	222	Météo Express	10911	V	27500
164	2M Maroc	12476	H	27500	223	CCTV9	11034	V	27500
165	SET	12520	V	27500	224	RTR-Planet	11034	V	27500
166	SARDEGNA UNO	12520	V	27500	225	God TV	11034	V	27500
167	VIDEOLINA	12520	V	27500	226	Beur TV	11034	V	27500
168	LIGURIA SAT	12520	V	27500	227	Khalifa TV	11034	V	27500
169	24ore.tv	12558	V	27500	228	TFJ	11034	V	27500
170	OPENET	12558	V	27500	229	RAI1	11766	V	27500
171	Q-CHANNEL	12558	V	27500	230	RAI2	11766	V	27500
172	Al Arabia	12597	V	27500	231	RAI3	11766	V	27500
173	ANN	12597	V	27500	232	RaiMed	11766	V	27500
174	EuroNews	12597	V	27500	233	Canale Lavoro	11766	V	27500
175	BBC World	12597	V	27500	234	Rai Edu Lab 1	11766	V	27500
176	JSTV 1	12597	V	27500	235	RAIMOSAICO	11766	V	27500
177	Sharjah	12654	H	27500	236	SENATO ITALIANO	11766	V	27500
178	Qatar	12654	H	27500	237	NAPOLI INT.	12303	V	27500
179	Saudi 1	12654	H	27500	238	MAGIC	12303	V	27500
180	Kuwait	12654	H	27500	239	COUNTDOWN	12303	V	27500
181	Libya	12654	H	27500	240	TBNE	12303	V	27500
182	Sudan	12654	H	27500	241	PLEASURE TV	12303	V	27500
183	Oman	12654	H	27500	242	BVN-TV	12303	V	27500
184	ESC	12654	H	27500	243	RTB INTERNATIONAL	12303	V	27500
185	Iraq	12654	H	27500	244	EURO MEDITERRANEO	12303	V	27500
186	Al manar	12654	H	27500	245	HSE Italia	10990	V	27500
187	E-TV	12673	V	27500	246	s.verde	10990	V	27500
188	Thai TV5	12673	V	27500	247	fox news	10990	V	27500
189	3ABN	12673	V	27500	248	DW-TV Amerika	11143	V	05500
190	Tv Moda	12673	V	27500	249	TCT WORLD	11178	H	27500
191	Studio Europa	12673	V	27500	250	OLISAT/TVCHILE	11178	H	27500
192	Video Italia	12673	V	27500	251	DAYSTAR	11178	H	27500
193	Telemarket	12673	V	27500	252	OLISAT/TVCOLOMBIA	11178	H	27500
194	GAME NETWORK	12673	V	27500	253	Arirang TV	11178	H	27500
195	PASSIONS	12692	H	27500	254	Made In Italy	11178	H	27500

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No.	Name	Freq	Pol	SR	No.	Name	Freq	Pol	SR
255	Nuvolari	11200	V	27500	313	TV.BERLIN	12148	H	27500
256	Leonardo	11200	V	27500	314	lastminute.de	12148	H	27500
257	Alice	11200	V	27500	315	SAT.1-CH	12148	H	27500
258	Sailing Channel	11200	V	27500	316	Super RTL	12188	H	27500
259	NOELLO SAT	11200	V	27500	317	RTL Television	12188	H	27500
260	DeeJay TV	11200	V	27500	318	RTL2	12188	H	27500
261	SuperPippa	11200	V	27500	319	VOX	12188	H	27500
262	MTI HB6 CH	11200	V	27500	320	RTL Shop	12188	H	27500
263	TV5	11338	V	05632	321	FRANCE 5	12207	V	27500
264	Zone Plate	11388	H	26174	322	LCP	12207	V	27500
265	Polsat 1	11412	H	06198	323	ProSieben	12480	V	27500
266	Polsat 2	11412	H	06198	324	KABEL1	12480	V	27500
267	R13	11823	H	27500	325	NEUN LIVE Televisio	12480	V	27500
268	ALPHA TV	11823	H	27500	326	DSF	12480	V	27500
269	ITN	12111	V	27500	327	Home Shopping Europ	12480	V	27500
270	ARM 1	12111	V	27500	328	SAT.1	12480	V	27500
271	AL JAZEERA	12111	V	27500	329	N24	12480	V	27500
272	Coming Soon TV	12111	V	27500	330	TELE 5	12480	V	27500
273	MediterraneoSat	12111	V	27500	331	RTL TELE Letzebuerg	12552	V	22000
274	KAIRALI TV	12220	H	06161	332	QVC GERMANY	12552	V	2000
275	Ch-3 Arabic IBA TV	12220	H	06161	333	VIVA PLUS	12552	V	22000
276	BK TV	12220	H	06161	334	Bloomberg TV German	12552	V	22000
277	DCTV-english	12236	V	13400	335	Chamber TV	12552	V	22000
278	DCTV-italy	12236	V	13400	336	BVN	12574	H	22000
279	DCTV-turkish	12236	V	13400	337	TV5 Europe	12610	V	22000
280	DCTV-german	12236	V	13400	338	LibertyTV.com	12610	V	22000
281	DCTV-spanish	12236	V	13400	339	Motors TV	12610	V	22000
282	DCTV-french	12236	V	13400	340	Wishline	12610	V	22000
283	DCTV-portuguese	12236	V	13400	341	RTBF SAT	12610	V	22000
284	Tele 5	12322	H	27500	342	Liberty TV.com	12610	V	22000
285	TV Puls	12322	H	27500	343	XXP	12633	H	22000
	Astra 19.2°				344	Bahn TV	12633	H	22000
286	CANAL ALGERIE	11568	V	22000	345	K-TV	12633	H	22000
287	TV7	11568	V	22000	346	n-tv	12670	V	22000
288	Al Jazeera	11568	V	22000	347	VIVA	12670	V	22000
289	TV 5	11568	V	22000	348	TV-NIEP II	12670	V	22000
290	RTM - MAROC	11568	V	22000	349	FASHION TV	11538	V	22000
291	ESC1 - EGYPT	11568	V	22000	350	TAQUILLA 0	11538	V	22000
292	RAI 1	11568	V	22000	351	Bibel TV	10833	H	22000
293	DW-TV	11568	V	22000	352	Tele5	10833	H	22000
294	RTPI	11568	V	22000	353	TV Puls	10833	H	22000
295	ARTE	11568	V	22000	354	ASTRA	10833	H	22000
296	MTV Central	11739	V	27500	355	Tango TV	10833	H	22000
297	MTV2 Pop Channel	11739	V	27500	356	TV_265	11477	V	22000
298	ZDF	11954	H	27500	357	TV_266	11477	V	22000
299	ZDFinfokanal	11954	H	27500	358	TV_267	11477	V	22000
300	ZDFdokukanal	11954	H	27500	359	TAQUILLA 12	11477	V	22000
301	ZDFtheaterkanal	11954	H	27500	360	TAQUILLA 13	11477	V	22000
302	3sat	11954	H	27500	361	Canal Canarias	11686	V	22000
303	KiKa	11954	H	27500	362	TVC INT.	11686	V	22000
304	EuroNews	11954	H	27500	363	ANDALUCÍA TV	11686	V	22000
305	Eurosport	11954	H	27500	364	ETB SAT	11686	V	22000
306	CNBC	11954	H	27500	365	TM SAT/LA OTRA	11686	V	22000
307	ProSieben Schweiz	12051	V	27500	366	Travel	11778	V	27500
308	ProSieben Austria	12051	V	27500	367	CNN Int.	11778	V	27500
309	Kabel 1 Schweiz	12051	V	27500	368	Das Erste	11837	H	27500
310	Kabel 1 Austria	12051	V	27500	369	Bayerisches FS	11837	H	27500
311	SAT.1 A	12051	V	27500	370	hessen fernsehen	11837	H	27500
312	Sonnenklar TV	12148	H	27500	371	arte	11837	H	27500

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No.	Name	Freq	Pol	SR	No.	Name	Freq	Pol	SR
372	SR Fernsehen Suedwe	11837	H	27500	429	Nagham	11785	V	27500
373	WDR FERNSEHEN	11837	H	27500	430	TeleLiban	11785	V	27500
374	SÜDWEST BW	11837	H	27500	431	NBN	11785	V	27500
375	Phoenix	11837	H	27500	432	ALArabiya	11785	V	27500
376	TV_309	11895	V	27500	433	NEW TV	11785	V	27500
377	KTO	11895	V	27500	434	channel 2	11785	V	27500
378	TEST CDN 8	11895	V	27500	435	MBC	11785	V	27500
379	KIOSQUE 1	12012	V	27500	436	Al Emarat	11862	V	27500
380	KIOSQUE	12012	V	27500	437	ABU DHABI - A	11862	V	27500
381	RBB Berlin	12109	H	27500	438	YEMEN TV	11938	V	27500
382	RBB Brandenburg	12109	H	27500	439	Algeria TV	11938	V	27500
383	MDR FERNSEHEN	12109	H	27500	440	Almustakilah	11938	V	27500
384	EinsMuXx	12109	H	27500	441	Tunis	11938	V	27500
385	EinsFestival	12109	H	27500	442	Morocco	11938	V	27500
386	EinsExtra	12109	H	27500	443	Dubai TV	11938	V	27500
387	NDR FS HH	12109	H	27500	444	Sharjah	11938	V	27500
388	NDR FS NDS	12109	H	27500	445	Aljazeera	11938	V	27500
389	NDR FS SH	12109	H	27500	446	Mauritania	11938	V	27500
390	MDR SACHSEN	12109	H	27500	447	Jordan	11938	V	27500
391	MDR S-ANHALT	12109	H	27500		<u>Turk1C-Euro</u>			
392	MDR THÜRINGEN	12109	H	27500	448	Gala	11025	V	06510
393	SÜDWEST RP	12109	H	27500	449	Viva	11025	V	06510
394	NDR FS MV	12109	H	27500	450	Supersport	11025	V	06510
395	RÜV	12226	H	27500	451	KANAL 7	11135	V	04444
396	NLC	12226	H	27500	452	KANAL 7 INT	11141	V	04300
397	BTV	12226	H	27500	453	CNN TURK	11587	V	03670
398	MTV2 Pop Channel	12226	H	27500	454	atv	10954	V	05632
399	'ZIK / XXL	12285	V	27500	455	BRTK KKTC	10968	V	04557
400	FASHION-TV	12285	V	27500	456	Flash TV	11129	V	04268
401	CA TV	12324	V	27500	457	STV	11153	V	04557
402	CANAL CLUB	12324	V	27500	458	Dream	11582	V	04817
403	MOSA 4	12324	V	27500	459	BRAVO TV	11582	V	04817
404	GUIDE TV	12363	V	27500		<u>Hispasat</u>			
405	C:DIRECT	12363	V	27500	460	CANAL 47	11615	V	27500
406	TV TRWAM	12460	H	27500	461	TELE LOCAL	11615	V	27500
	<u>Eutel W2</u>				462	GOD	11615	V	27500
407	Georgian Remux	11304	V	30000	463	LOCALIA	11615	V	27500
408	DV3B W2 D9	11689	V	03100	464	TBN ENLACE	11615	V	27500
409	ARMENIA	12620	V	02315	465	ARAIT	11615	V	27500
410	RTK PRISHTINA	12633	V	04883	466	TELELINEA	11615	V	27500
411	Ajara tv	12675	V	04340	467	Programação	12015	V	27500
412	ALSAT RTV	10955	H	02819	468	SOL PORT	11535	V	24500
413	LA 7	11084	H	11312	469	SOL PORT CUE	11535	V	24500
414	TMC 2	11084	H	11312	470	Mana Europa	11682	V	03800
415	Elpitel_Roma	11084	H	11312	471	And.Turismo	11891	V	27500
416	LIGNANO	12520	V	02170	472	TVE INTERNACIONAL	12711	V	27500
	<u>Arabsat</u>				473	CNBC	12711	V	27500
417	Bahrain TV	11747	V	27500	474	AXN	12711	V	27500
418	Saudi 1	11747	V	27500	475	SIVSA	12711	V	27500
419	Kuwait	11747	V	27500	476	HISPASAT	12711	V	27500
420	Libya	11747	V	27500		<u>SIRIUS 2</u>			
421	Sudan	11747	V	27500	477	TRK UKRAINA	11766	H	27500
422	Saudi 2	11747	V	27500	478	BSTV	12150	H	27500
423	Almajd TV	11747	V	27500	479	Moscow Open World	12380	H	27500
424	Oman	11747	V	27500	480	RTL9	11370	V	03260
425	AbuDhabi	11747	V	27500					
426	AlManar	11785	V	27500					
427	Future	11785	V	27500					
428	LBCI	11785	V	27500					

